Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/07/2018 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125546	0	1.15	125472	1.12
Blue	F	SSC	125000	123948	-1	2.63	124334	2.35
Blue	E	FITC	23615	23026	-3	2.34	1023	10.31
Blue	D	PE	26739	26447	-2	1.88	948	9.87
Blue	B	PerCP-Cy5-5	48339	47907	-1	3.29	1382	17.00
Blue	A	PE-Cy7	45021	45203	0	5.05	694	36.99
Red	C	APC	53064	52094	-2	2.62	3007	9.52
Red	A	APC-Cy7	57175	56412	-2	2.59	1172	11.03
Violet	B	V450	14728	14057	-5	4.85	675	9.50
Violet	A	V500	58621	56845	-4	4.67	2509	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19736	2.20	610	-4	N/A	N/A	Pass
Blue	F	SSC	61451	1.42	555	9	N/A	N/A	Pass
Blue	E	FITC	116	39.20	548	0	0.0206	184	Pass
Blue	D	PE	209	30.41	538	2	0.1694	322	Pass
Blue	B	PerCP-Cy5-5	217	45.76	638	3	0.0100	123	Pass
Blue	A	PE-Cy7	75	121.78	696	3	0.0109	10	Pass
Red	C	APC	344	28.55	596	-1	0.0198	83	Pass
Red	A	APC-Cy7	129	40.07	580	0	0.0057	1710	Pass
Violet	B	V450	81	45.35	463	-7	0.0488	2528	Pass
Violet	A	V500	184	23.94	490	-7	0.0162	1042	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.41	0.96
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	19.07	14.40 - 21.60	N/A	N/A	31.06	31.63	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11565

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments